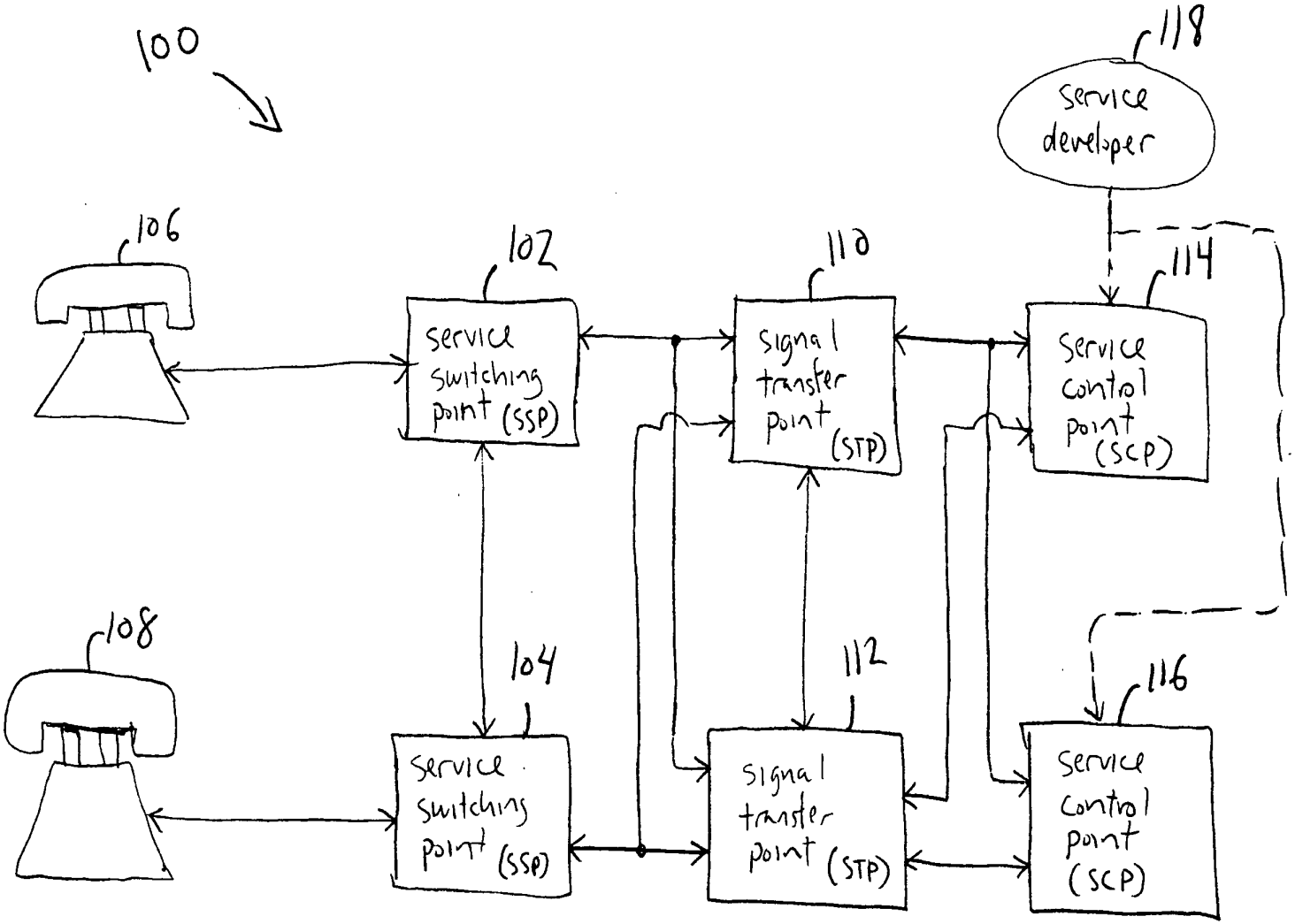
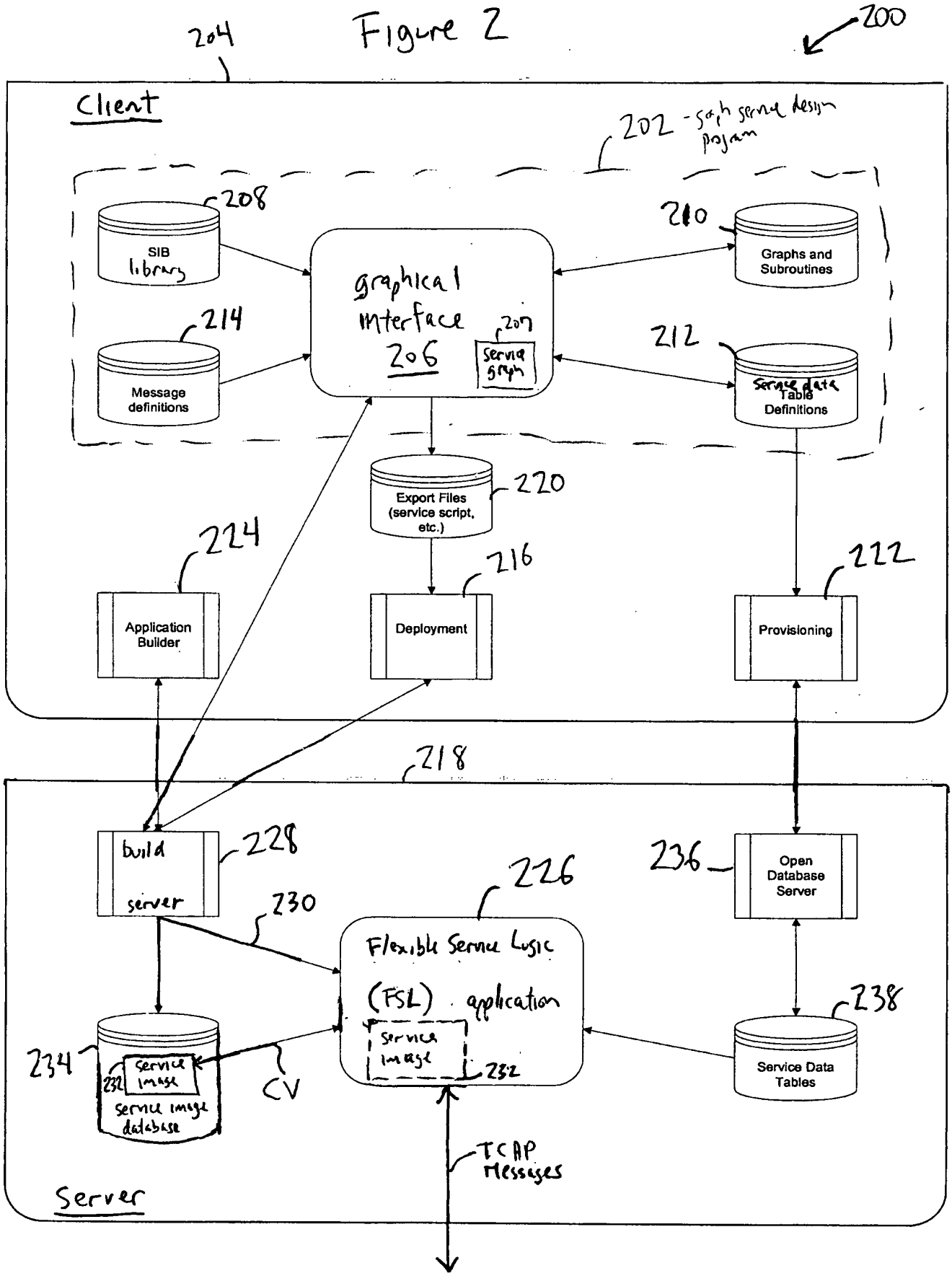


Figure 1
(Background Art)

Figure 2


200
204
Client
202 - graph service design program
208
SIB library
210
Graphs and Subroutines
graphical interface 206
207
service graph
214
Message definitions
212
Service data Table Definitions
220
Export Files (service script, etc.)
224
Application Builder
216
Deployment
222
Provisioning
218
build server
228
230
226
Flexible Service Logic (FSL) application
service image
232
236
Open Database Server
238
Service Data Tables
234
service image
232
service image database
CV
TCAP Messages
Server

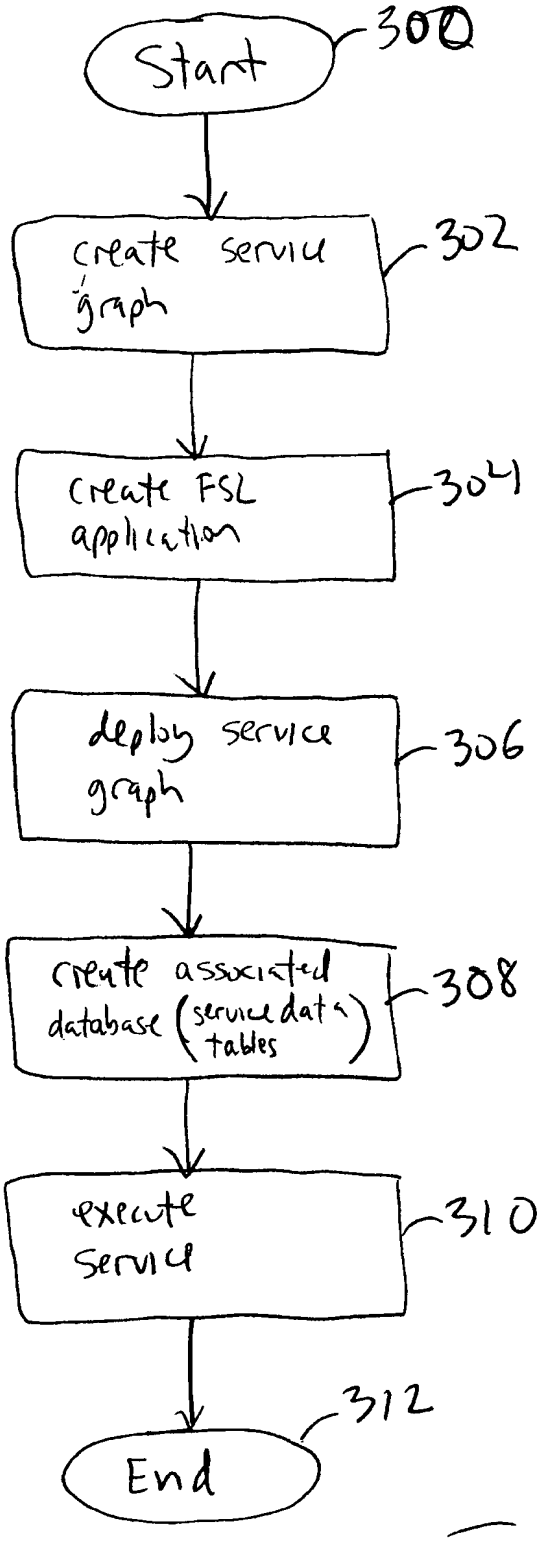

Start
300
create service graph
302
create FSL application
304
deploy service graph
306
create associated database (service data tables)
308
execute service
310
End
312

Figure 3

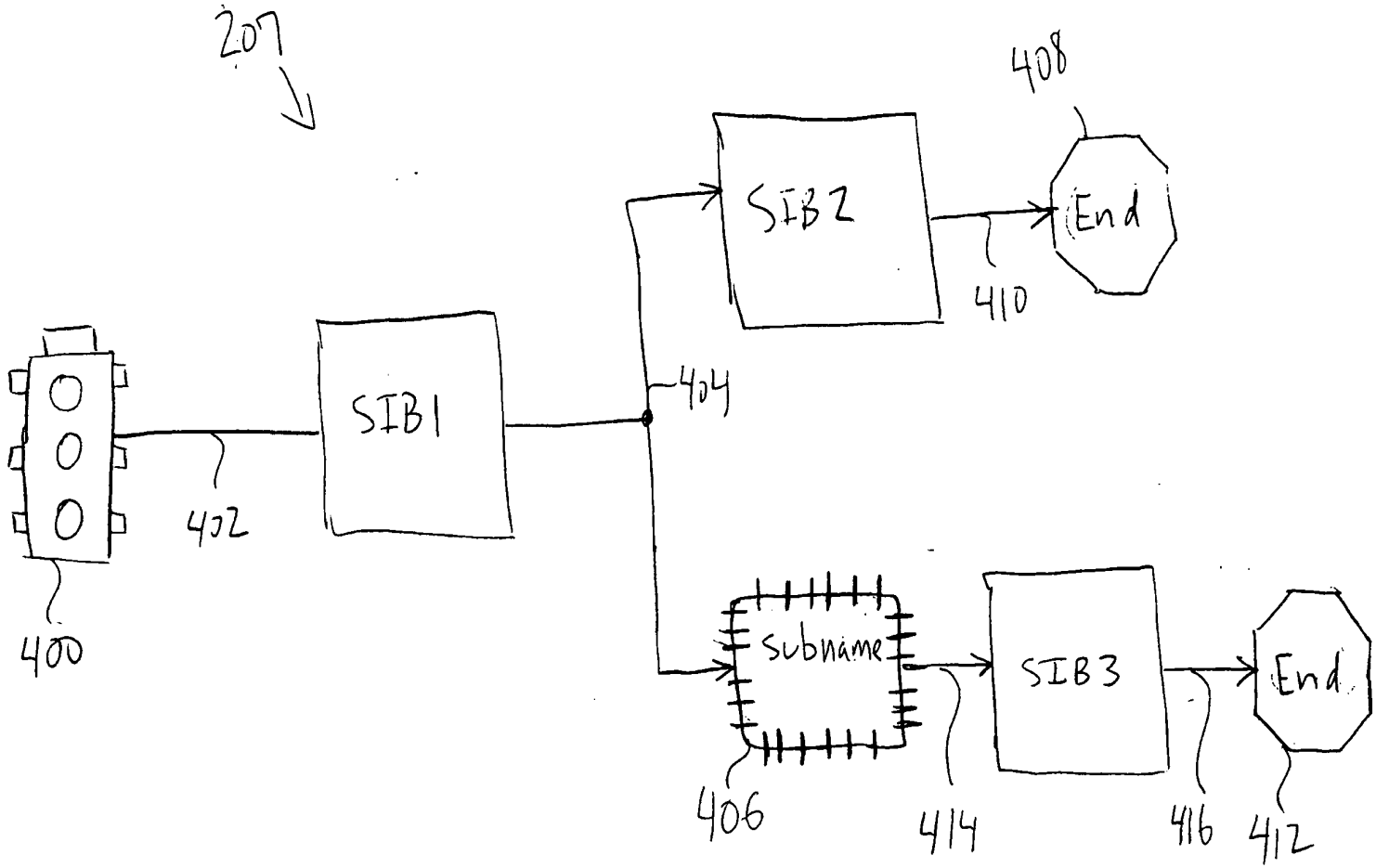

207
408
SIB2
End
410
404
SIB1
402
400
subname
SIB3
End
406
414
416
412

Figure 4

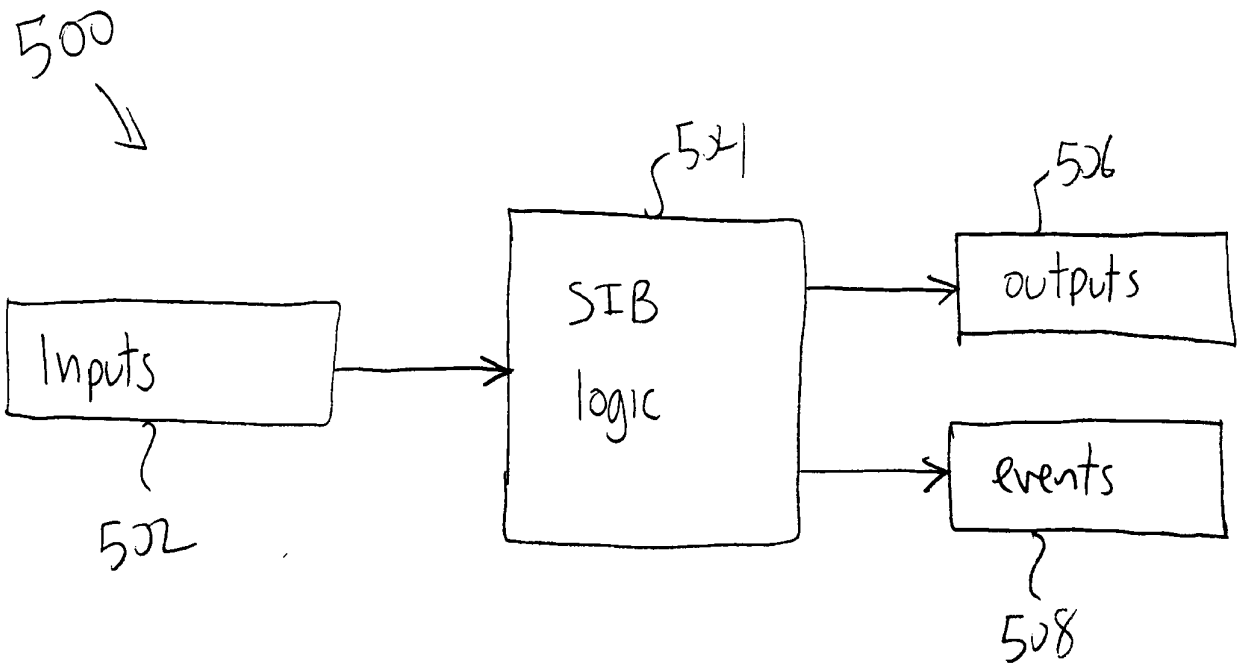


Figure 5

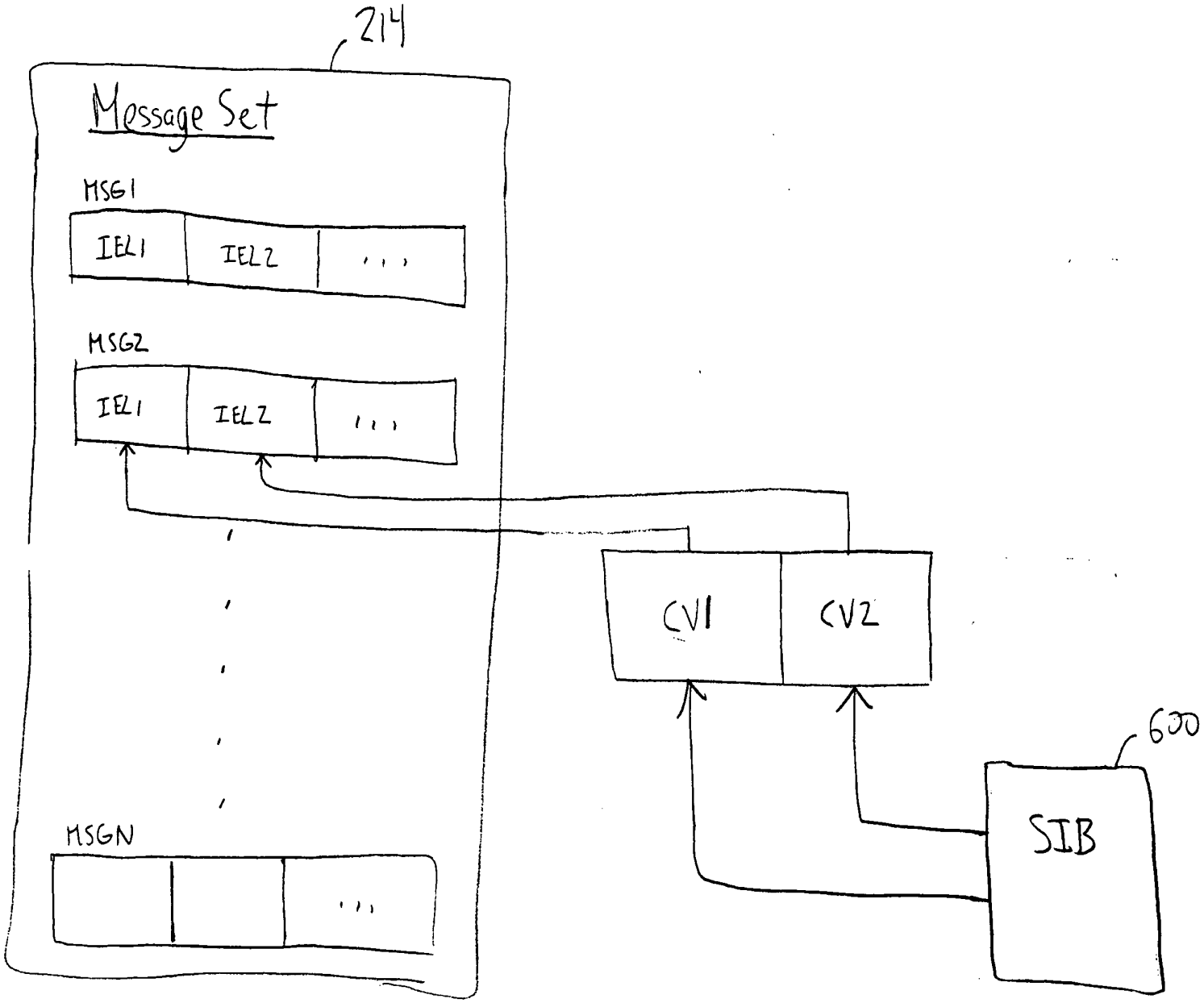

214
Message Set
MSG1
IEL1
IEL2
...
MSG2
IEL1
IEL2
...
MSGN
CV1
CV2
600
SIB

Figure 6

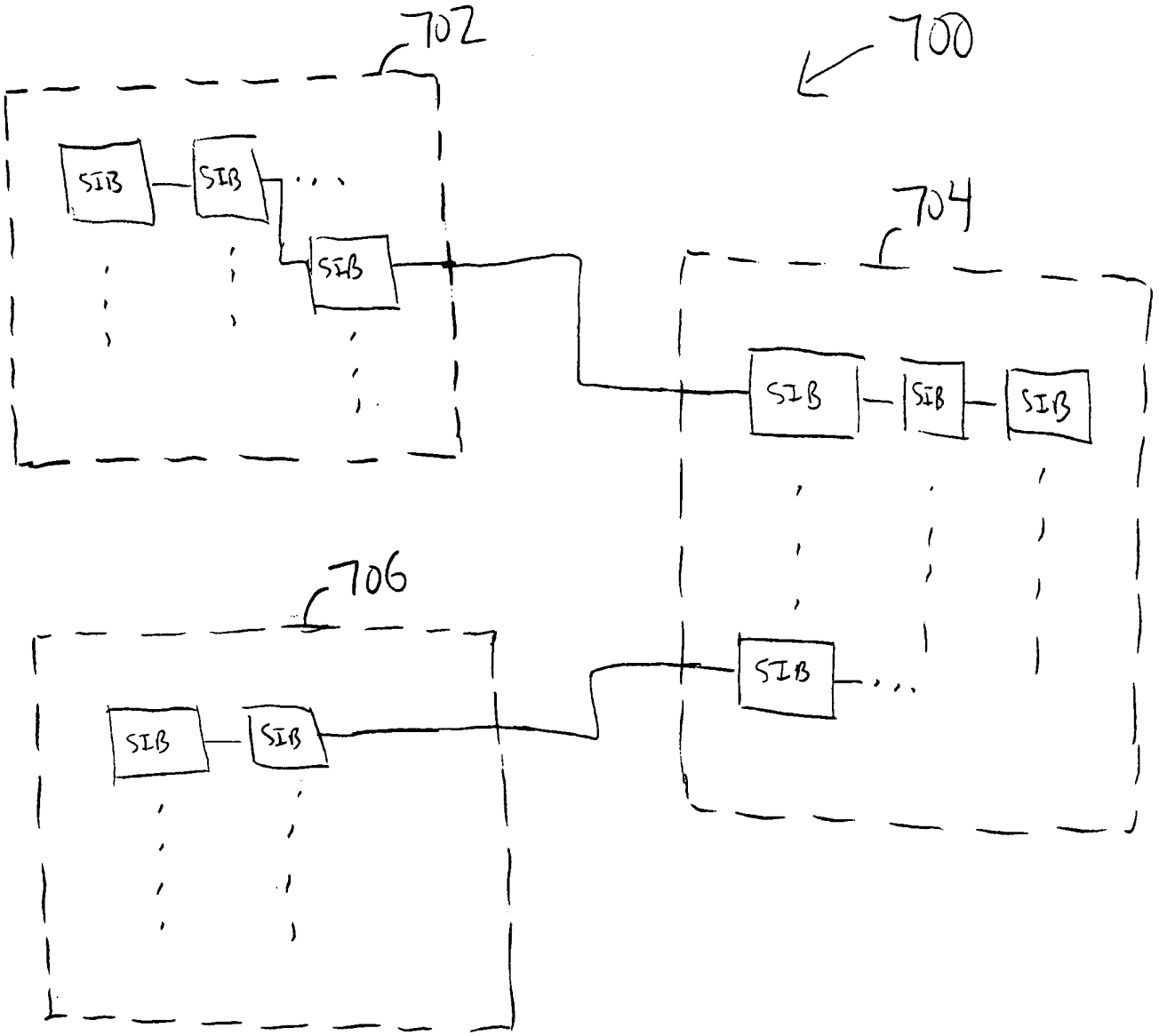


Figure 7

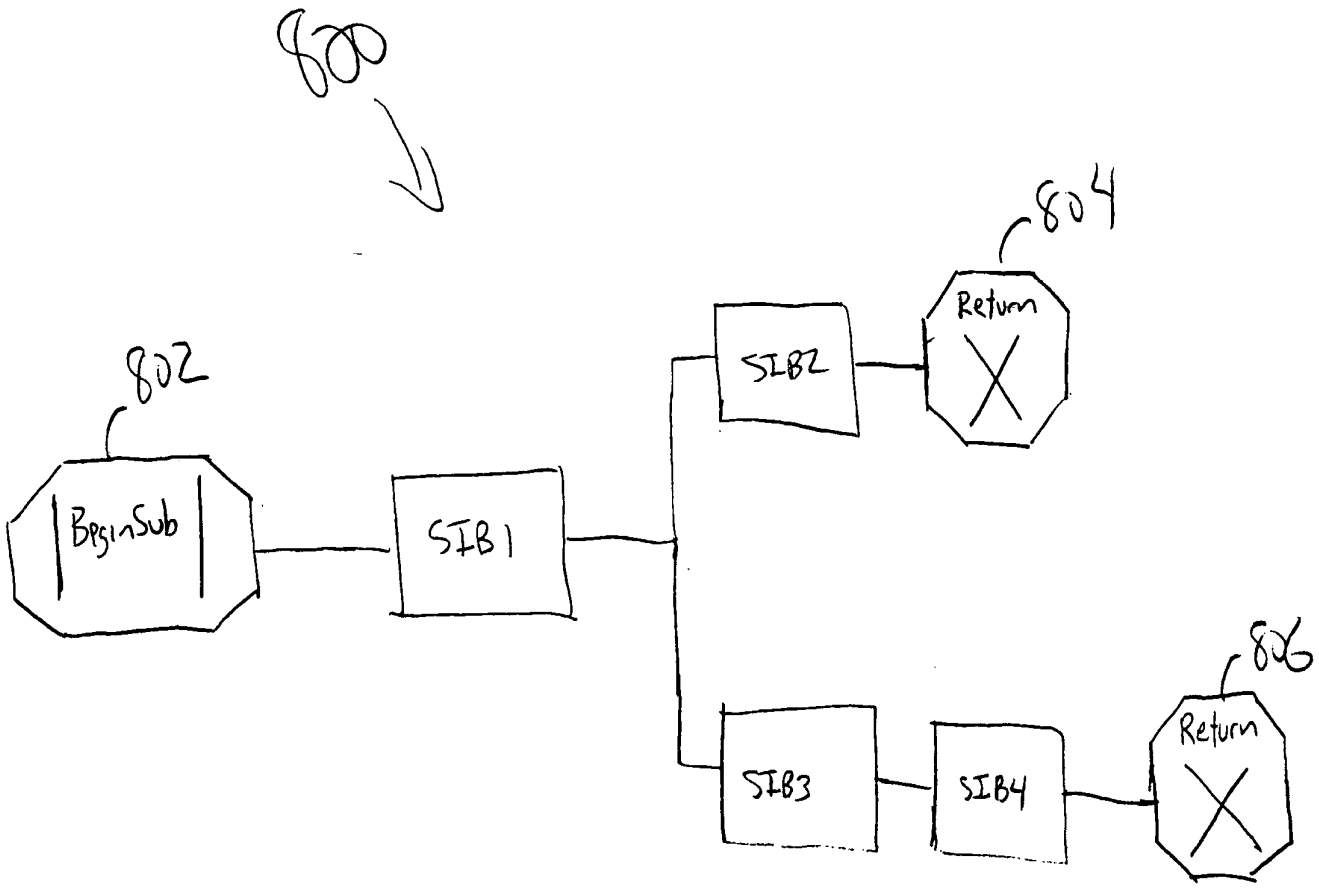


Figure 8

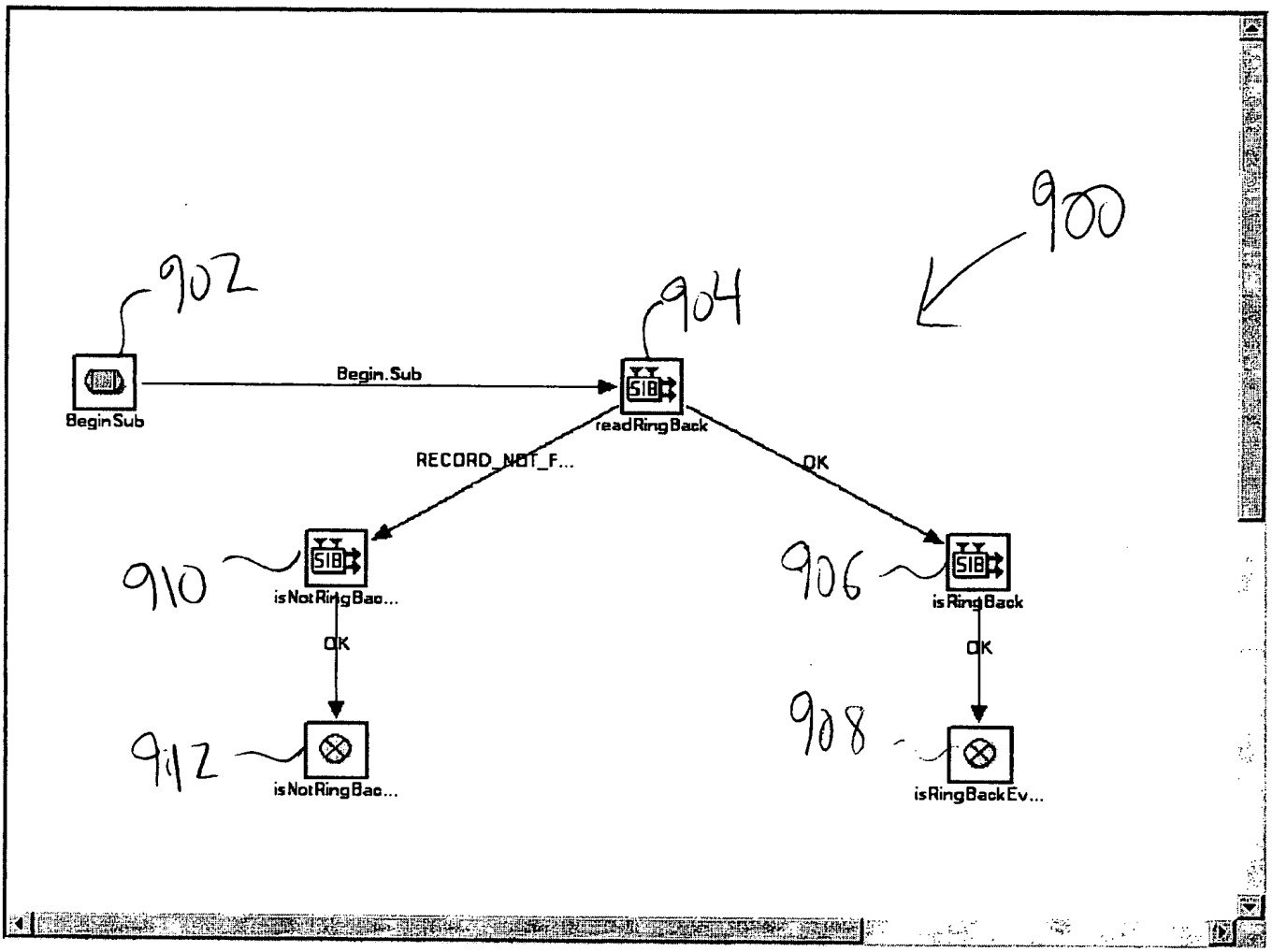

900
902
904
Begin.Sub
BeginSub
Begin.Sub
readRingBack
RECORD_NOT_F...
OK
910
isNotRingBac...
906
isRingBack
OK
OK
912
isNotRingBac...
908
isRingBackEv...

Figure 9

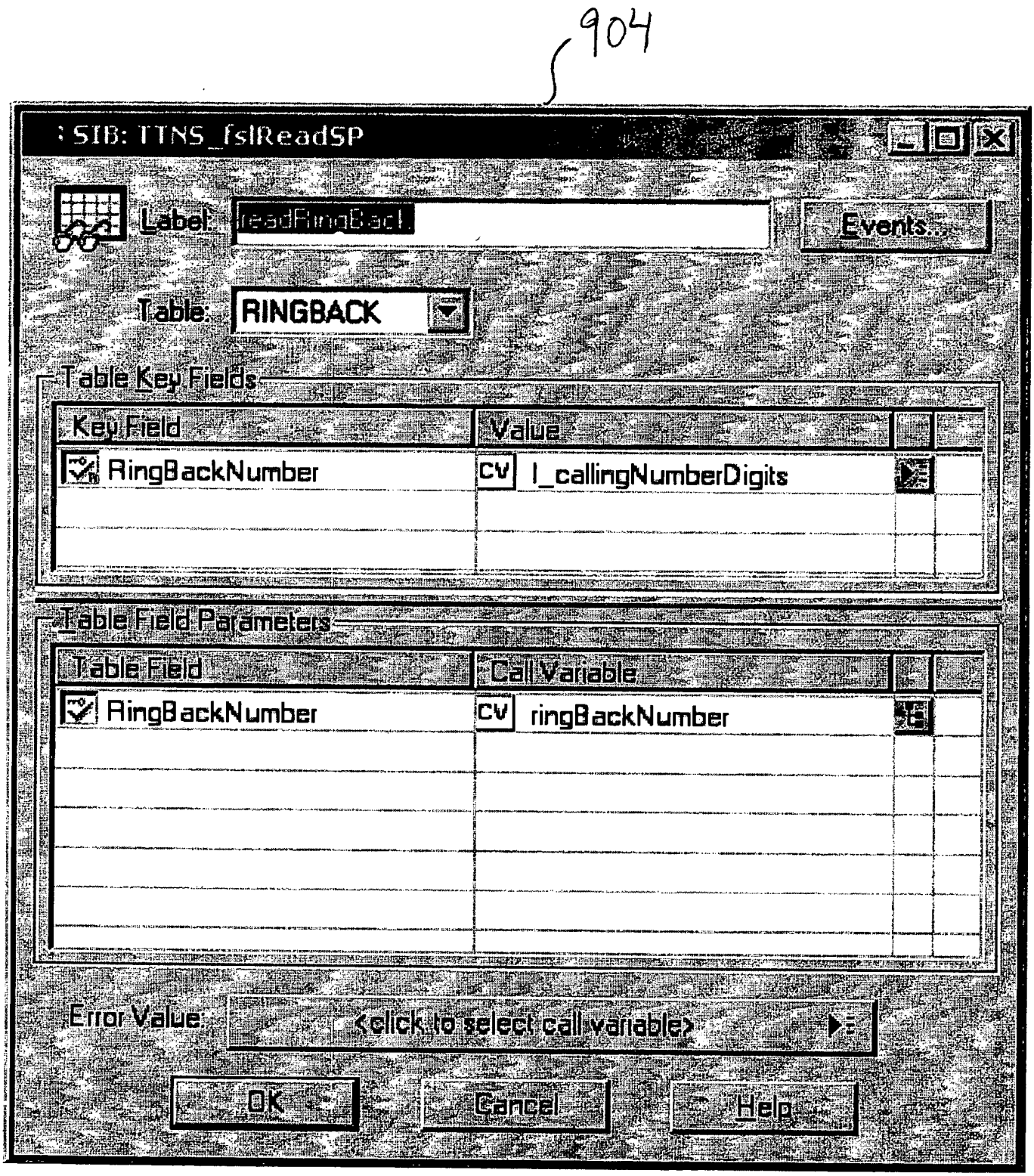

904
: SIB: TTNS_fslReadSP
Label:
readRingBack
Events...
Table:
RINGBACK
Table Key Fields
Key Field
Value
RingBackNumber
CV
l_callingNumberDigits
Table Field Parameters
Table Field
Call Variable
RingBackNumber
CV
ringBackNumber
Error Value:
<click to select call variable>
OK
Cancel
Help

Figure 10

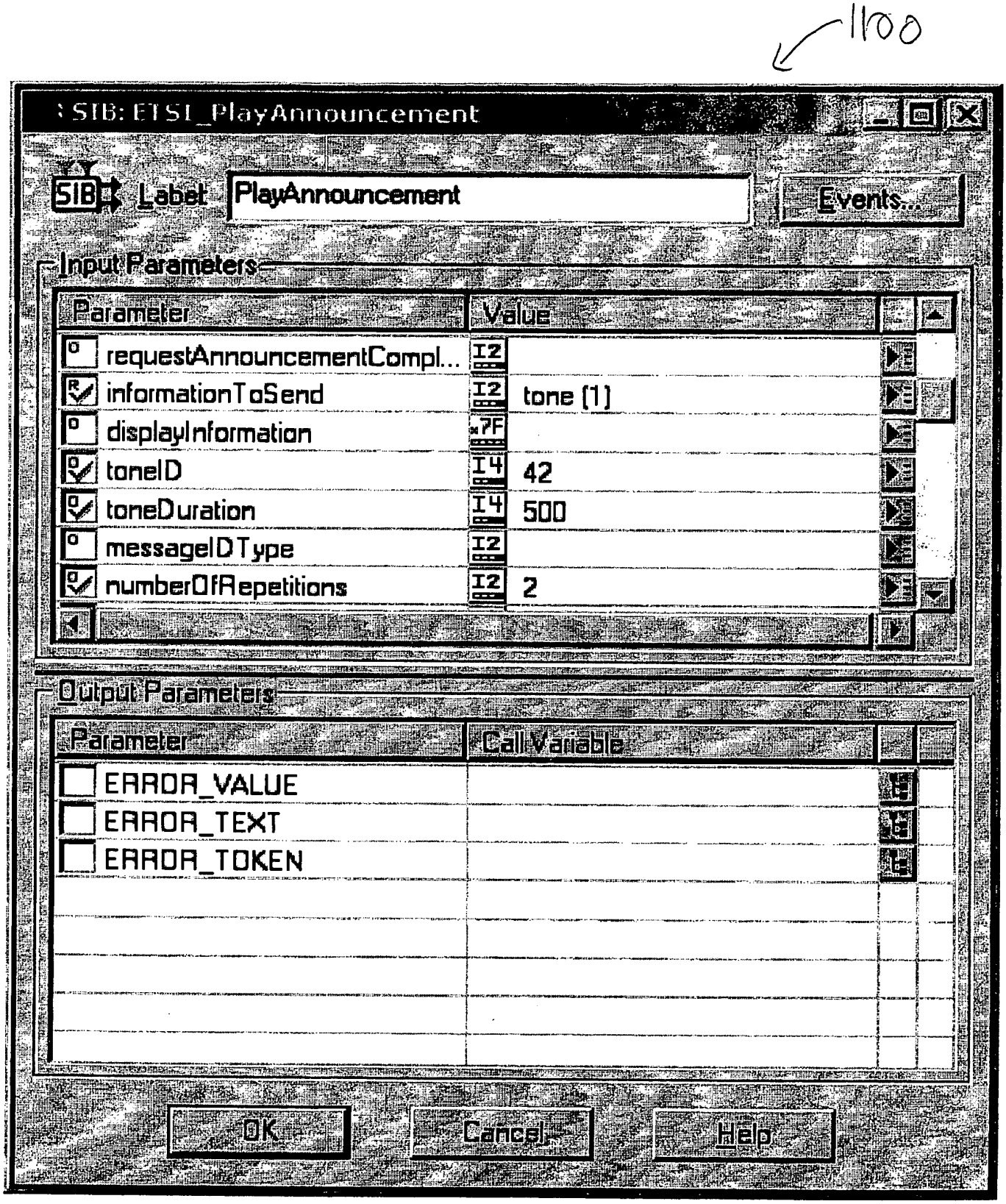

1100
SIB: ETSI_PlayAnnouncement
SIB
Label
PlayAnnouncement
Events...
Input Parameters
Parameter
Value
requestAnnouncementCompl...
informationToSend
tone (1)
displayInformation
toneID
42
toneDuration
500
messageIDType
numberOfRepetitions
2
Output Parameters
Parameter
Call Variable
ERROR_VALUE
ERROR_TEXT
ERROR_TOKEN
OK
Cancel
Help

Figure 11